Relational operators

> < =

>= <= != < >

Clause: condition

where <cond>

1. retreve the emps who are earning more than 1000

select \* from emp where sal>1000;

2. list the name ,job,sal and doj of the emps whose deptno is 30

select ename,job,sal,hiredate,deptno from emp where deptno='30';

EMP

EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO

To list the tables available in the user

select \* from tab;

select statement with String searching

strings and date types are work with ' text '

Retreve the emps who are working as managers

SELECT \* FROM EMP WHERE JOB='MANAGER';

List the emps name,job,sal,deptno of those whose name is ALLEN

SELECT Deptno,job,sAL,ENAME from emp where eNAme='ALLEN';

Retreve the emps who are joined on 09-jun-81

select ename,job,hiredate from emp where hiredate='09-jun-81';

Logical operators

AND OR NOT

returns boolean value(true/false)

AND - must

OR - EITHER ONE

NOT OPPOSITE boolean value

LIST the emps who are working as MANAGER ,earning 2500 or more salary

SQL>select ename,job,sal from emp where job='MANAGER' and sal>=2500;

SQL>select ename,job,sal from emp where job='MANAGER' OR sal>=2500; X

list the emps who are earning between 1000 to 2000

select \* from emp where sal>=1000 and sal<=2000;

1600

1250

1250

1500

1100

1300

list the emps who are working in 10 dept ,WORKING AS clerk and earning lessthan or equal to1800

select \* from emp where job='CLERK' and DEPTNO=10 and sal<=1800;

14

10= deptno 10 rec

3= clerk

1= <=1800 1 record

!=

List the emps who are not working as clerk

select \* from emp where job != 'CLERK';

select \* from emp where job < > 'CLERK';

List the emps EXCEPT in 20 dept

select \* from emp where deptno !=20;

List the emps who are working as clerk,analyst

select \* from emp where job='CLERK' OR JOB='ANALYST' ;

select \* from emp where job='CLERK' and JOB='ANALYST' ; X

= EQUAL

: = ASSIGNMENT(pl/sql)

List the emps who are not working as MANAGER or SALESMAN

SELECT ENAME,JOB,SAL FROM EMP WHERE JOB!='MANAGER' and JOB!='SALESMAN';

List the emps who are WORking IN 10,20 depts

select ENAME,JOB,SAL,deptno from emp where deptno=20 or deptno=10;

List the emps EXCEPT IN 10,30 depts

select \* from emp where deptno!=10 AND deptno!=30;

List the emps whose names are SMITH,ALLEN and earning more than 1000

select \* from emp where ename='ALLEN' or ename ='SMITH' and sal>1000;

select \* from emp where ename ='SMITH' AND ename='ALLEN';

no rows selected

List the emp name,job,sal and deptno of those emps who are working as MANAGER,CLERK also working in deptno 30

select ENAME,JOB,SAL,DEPTNO from emp where deptno=30 AND Job='CLERK' or JOB='MANAGER' ;

select ENAME,JOB,SAL,DEPTNO from emp where deptno=30 AND

JOB in('MANAGER','CLERK' );

list the emps except clerk

Relational Operators

> < =

!= >= <=

select \* from emp where job !='clerk';

Operators

IN

LIKE

BETWEEN & AND

IS

IN

To check multiple values are equal or not ,similar to '=' and OR

syntax

col IN(VAL1,VAL2,...)

List the emps who are working in 30,20 depts

select \* from emp where deptno=20 or deptno=30;

select \* from emp where deptno IN(20,30);

LIST the details of WARD,JONES,SMITH

Select ename from EMP WHERE ename in('WARD' , 'JONES', 'SMITH');

List the emps who are not working as CLERK,SALESMAN

select ENAME,JOB,SAL from emp where job NOT IN( 'CLERK','SALESMAN');

select \* from emp where job!='CLERK' AND JOB!='SALESMAN';